X10 PRO

Model XPMT1

Mini Timer

Owner's Manual

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Introduction

The *X10 PRO* Mini Timer controls up to 8 *X10 PRO* Modules automatically or instantly. You can have your outside lights as well as inside lights and appliances go on and off at preset times to give your home a lived-in look while you are away.

You can program your Modules to go on and off at the same time every day or you can set your radio to wake you up “Once” only, for an early morning flight. There is even a “Security” Mode that automatically varies your programmed time each day so your home doesn’t look like it’s controlled by a timer.

You can keep the Mini Timer by your bedside and it will wake you up on weekdays. It has a snooze feature so you can sleep a while longer and you can turn the alarm off on weekends.

You can manually turn off your child’s radio or night light from your bedside. You can turn on ALL lights connected to Lamp Modules and Wall Switch Modules with the touch of a button if you hear a suspicious noise at night. You can even turn off everything in the system with one button.

Before you begin

Keep in mind that your *X10 PRO* System will always turn lamps and appliances on or off the instant you press the buttons. That’s obvious - but there can be some unexpected consequences.

For example, an empty coffee pot can be remotely turned on. If that should happen, your coffee pot may be damaged from overheating. If an electric heater is turned on by remote control while clothing just happens to be draped over it, a fire could result. Therefore, do not use with high power heating devices such as portable heaters.

Always be aware of what appliance you are turning on or off so that potentially dangerous situations will not occur.

What it does

The Mini Timer plugs into any AC outlet in your home and you set it like a digital alarm clock. Channel number 1 also activates an internal buzzer so you can us it as an alarm clock too! You can program up to 8 *X10 PRO* Modules from the Mini Timer and you also have instant control of 8 Modules.

There is a handy snooze feature which lets you cancel the alarm buzzer by pressing **any** key. This will stop the buzzer and will set the alarm off again in 10 minutes. You can do this indefinitely.

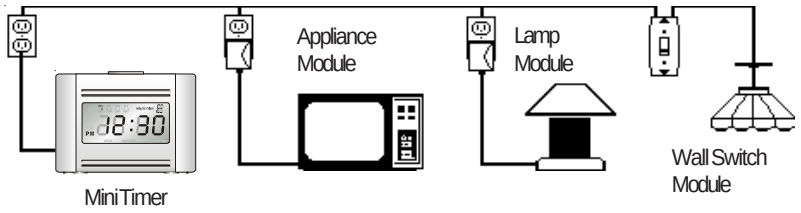
Advancing to a particular time (in the Prog Set/Review mode) and then pressing a number ON or OFF key will set an on or off time for that Module, every day. However, if (within 4 seconds) you press “Once” you will change that program to occur only once, if you press “security” you will change the program to occur at different times each day (variably).

Introduction

How it works

The Mini Timer plugs into any AC outlet in your home and transmits digitally encoded signals over your house wiring instantly or at the times you set. These signals are received by the *X10 PRO* Modules.

You Plug a lamp up to 300 watts into a Lamp Module, an appliance such as a radio, fan, or coffee pot into an Appliance Module and replace important indoor or outdoor security lights up to 500 watts with the Wall Switch Module (modules sold separately).

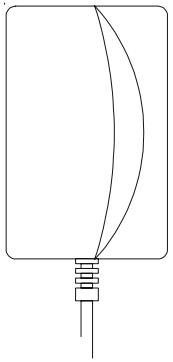


Setting it up

Connect the power supply to the Mini Timer and plug the power supply into any convenient AC outlet.

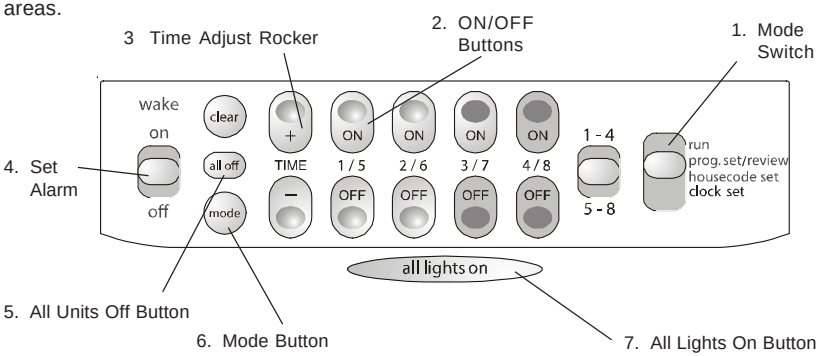
NOTE: you must use the power supply that came with the Mini Timer. The power supply contains circuitry required to control your X10 PRO modules, so you CANNOT replace it with a regular 12V power supply.

Install two AA alkaline batteries in the compartment on the back, if desired (to protect the time and programmed events if there's a power outage).

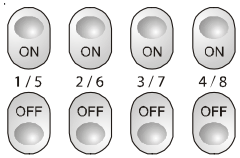


Quick Tour

Let's quickly review the functions of each part of the keyboard (you can go to page 7 for a step by step tutorial if you prefer). Referring to the diagram below and the cutaway sections that follow you will see that the keyboard on the Mini Timer consists of 7 basic areas.



1. **Mode Switch.** This is used to select whether you want to set or review a timed event, change the Housecode, or set the clock. See page 13 to change the Housecode.



2. **ON/OFF Buttons.** There are 4 sets of ON/OFF buttons. They let you turn Modules 1 through 4 (or 5 through 8) on and off instantly by pressing either the ON or OFF button.

   In the "Prog Set/Review" mode these button are used to set on and off times for the selected number (1 to 4 or 5 to 8).

3. **Time Adjust Rocker.** This is used to set the time of the clock and the time you want to set for each programmed event.
4. **Alarm.** The number 1 button also sets the time for the internal alarm buzzer.

5. **All Units Off Button.** Instantly turns Off ALL Modules including Appliance Modules.
6. **Mode Button** cycles through Daily, Once, and Security Modes.
7. **All Lights On Button.** Instantly turns on ALL Lamp Modules and Wall Switch Modules.

Quick Tour

How to Program a timed event

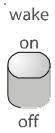
1. Place the mode switch in “Prog Set/Review” position.
2. Advance to the desired time.
3. Set the 1-4/5-8 switch to the desired position.
4. Press any of the 4 ON or OFF buttons to set an On or Off time for that Module. This will program the Mini Timer to turn that Module on (or off) at that time **every day**.
5. Advance to another time, and press another ON or OFF button as desired.
6. Set the Mode switch back to RUN.

Special Programming Buttons

1. Mode button. If within 4 seconds after setting an On or Off time, you press the “Mode” button once or twice until Once shows in the display, you will modify the program to carry out your programmed event only Once and it will **not** repeat on the next day.

Press again (within 4 seconds after setting an On or Off time) until Security is shown in the display, to modify the program so that your lights (or appliances) will go on or off at a slightly different time every day (within the programmed hour). With each press the display shows whether you've selected Once, or Security. If neither Once nor Security is displayed, the event happens at the same time every day.

2. Clear Button. Pressing this (in the Prog/Review Mode) cancels the On time or Off time being displayed.



3. Wakeup Switch. In the “ON” position an internal wake up buzzer will sound at the time programmed for Module number 1. When this sounds you can turn it off by pressing any button to obtain the “snooze” feature. This will turn the buzzer back on in 10 minutes and will do so each time you operate snooze.

The alarm can be cancelled by moving the Buzzer switch to “OFF” and back to “ON” (for wake up the next morning).

4. Selector Switch. Used to select whether you want your Mini Timer to instantly control Modules set to Unit Codes 1 thru 4 or 5 thru 8. You can move the selector switch back and forth to achieve instant control of 8 *X10 PRO* Modules. You can also move the switch during programming to select which modules (1-4 or 5-8) you are setting times for.

Setting up the Mini Timer

Setting the clock

Plug the Mini Timer into any convenient AC outlet. Fit two AA alkaline batteries in the battery compartment to protect the time and program for up to 48 hours in the event of a power outage. If the battery is low, dead, or not installed, the low battery indicator will show in the display.

When you first plug in the Mini Timer the display will flash. It will also flash if you have had a power outage and have not installed two AA alkaline batteries or if the batteries are dead.

1. Set the mode switch to “Clock Set.”

2. Press the top of the “Time” rocker to advance to the correct time. A quick press on the rocker will advance the time by 1 minute. If you hold the rocker down the display will advance to the correct time faster. If you overshoot, you can use the bottom rocker to go back.

Controlling X10 PRO Modules

Follow the steps below to make sure you can control your Modules before you program the Mini Timer.

1. Install and set up all of your *X10 PRO* Modules referring to the instructions included with them. **Be sure to turn off the power at the main circuit breaker panel when installing Wall Switch Modules.**
2. Set all of your Modules to the same Housecode as the Mini Timer (default is A).
3. Set each Module to a Unit Code Between 1 and 8.
4. Set the Mode Switch on the Mini Timer to the “RUN” position.
5. To turn On a particular Module, set the selector switch to 1-4 or 5-8, then press the ON button corresponding to the number you set on the Module you want to control.
6. To turn Off a particular Module, set the selector switch to 1-4 or 5-8, then press the OFF button corresponding to the number you set on the Module you want to control. The display shows On or Off next to the module number for the button you pressed.

To turn on ALL lights connected to Lamp Modules and Wall Switch Modules (with the same Housecode as the Mini Timer), press the “All Lights On” button. This does not affect appliances.

To turn off ALL lights AND appliances connected to any kind of *X10 PRO* Module (with the same Housecode as the Mini Timer), including Appliance Modules, press the “All Off” button.

Setting up the Mini Timer

Setting something to happen every day at the same time.

After you have installed all of your Modules and checked that they are working instantly from the Mini Timer you are ready to program timed events.

1. Set the Mode Switch to the “Prog Set/Review” position.

2. Set the 1-4/5-8 switch as desired.

3. Press the “Time” advance rocker key to advance to the desired on or off time. When you first press the rocker the time will advance by 1 minute. If you hold the top of the rocker down the display will “speed up” so you can get to the desired time faster. When you get close to the desired time, you can “tap” the rocker a few times to get to the exact time you want. If you overshoot, you can press the bottom of the rocker to go back.

4. When you reach the desired time press the ON or OFF button for the Unit Code you want to program an On or Off time for.

For example: If you advance to 12:45 PM and then press the ON button for number 2, you will program the Module set to Unit Code 2 to go **On** at 12:45 PM **every day**.

If you advance to 7:00 AM and then press the OFF button for number 2, you will program the Module set to Unit Code 2 to go **Off** at 7:00 AM **every day.**

You can now advance to another time and press another ON or OFF button (or the same button) to program another time.

NOTE:

You can program a total of 64 On or Off times. These are distributed between the 8 unit codes (selected with the 4 ON/OFF buttons). You could for example program Module number 1 to go On 32 times and Off 32 times, but then that would use up all the memory and you wouldn't be able to program any times for any of the other 7 unit codes. Or, you could program modules 1 thru 8 to go On and Off 4 times each. I.E. you could program 4 On and Off times for modules 1 thru 4, then slide the selector switch to the 5-8 position and program another 4 On and Off times for modules 5 thru 8.

If you try to set an on or off time and the memory is full, the display will read FULL. To clear this, press the Clear button.

Programming ON and OFF times

Setting a timed event to occur Once only

If (within 4 seconds after setting an On or Off time) you press the “Mode” button once or twice until Once shows in the display, you will modify the program for that particular Unit Code to occur only Once.

The event you have programmed will happen (at the time you have programmed) within the next 24 hours, and will then be automatically cleared from memory and will not happen again the next day.

You can mix Once and Daily events for the same Unit Code (up to the 64 maximum events for all 8 unit codes). See note at bottom of previous page.

Setting a timed event to occur in the “Security” mode

If you advance to a specific time, and then press one of the ON or OFF buttons, you will set an On or Off time for that Unit Code to occur every day at **exactly the same time**.

If however, within 4 seconds after setting an On or Off time, you press the “Mode” button once or twice until Security is shown in the display, you will modify the program for that particular Unit Code to occur every day at a **slightly different time** each day.

The event you have programmed will happen at the time you have programmed on the first day, and will then happen at a different time on each subsequent day (within the hour you have programmed). For example:

If you advance to 7:35 PM, press the ON button for number 2 and then (within 4 seconds) press the Mode button once or twice until Security shows in the display, the Module(s) set to Unit Code number 2 will go On at exactly 7:35 PM on the first day and any time between 7:00 PM and 8:00 PM every day after that. This time will vary each day so that the Module doesn’t go on at the same time each day (to give your home a lived-in look).

You can mix Once, Daily, and Security events for the same Unit Code (up to the 64 maximum events for all 8 unit codes). See note at bottom of previous page.

Reviewing timer events

Set the Mode Switch in the “Prog Set/Review” position. If no events exist in memory 0:00 is displayed, otherwise the first event found in memory is displayed.

If (while in Prog/Review Mode) one of the 4 module ON (or OFF) buttons is pressed **without modifying the current time**, and no events are in memory for that module, 0:00 is displayed.

If (while in Prog/Review Mode) one of the 4 module ON (or OFF) buttons is pressed **without modifying the current time**, and events do exist, each press of the module ON (or OFF) button cycles through (and displays) all the ON (or OFF) events for that particular module. I.E. you are "Reviewing" the times that are set. The display also shows whether the event is a Once event or a Security event. Note if it's a Security event the actual time that the next event will occur will be shown. If neither Once nor Security is displayed, the event is a Daily event.

If (while in Prog/Review Mode) one of the 4 module ON (or OFF) buttons is pressed **after modifying the current time**, then the time is stored as a new event for that module. I.E. you can program new events while reviewing the current programmed events.

While displaying any time for any module it can be deleted using the Clear key. All events for a module can be cleared by pressing Clear multiple times until the display shows 0:00.

If an event time is modified and you do not want to store it to any module ON/OFF button, press Clear. The previous event is now displayed and can be deleted if desired by pressing Clear again.

If the Mode switch is moved after a time has been changed and without a module ON/OFF button being pressed, this time is discarded and is not stored in memory.

If the display shows FULL

If FULL is displayed when you try to enter a programmed time, this means that you have tried to enter an additional time when you have already used up all the available memory. Cancel one or more of your set times by pressing a number ON (or OFF) button, then press Clear to clear that event. Then enter another timer event. See note at bottom of page 8.

Selector switch

1-4 position - With the “Selector” switch in the 1-4 position the 4 ON and OFF buttons control (and set times for) Modules set to Unit Codes 1 thru 4 respectively.

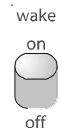
5-8 position - With the “Selector” switch in the 5-8 position the 4 ON and OFF buttons control (and set times for) Modules set to Unit Codes 5 thru 8 respectively.

Instantly Controlling Modules

With the Mode switch in the RUN position you can slide the Selector Switch back and forth to instantly control Modules set to 1 thru 4, or 5 thru 8. Also, in the Prog Set/Review mode you can set events for modules 1 thru 4, then move the selector switch and program more events for modules 5 thru 8. See note at bottom of page 8 for maximum number of events you can program..

Alarm settings

Setting the Alarm Buzzer



With the “Wake” switch in the “ON” position, any program you set for Module number 1 will also set the internal alarm buzzer.

A bell icon will show in the display to indicate that a time for the Buzzer is set.

For example: If you connect your bedside lamp to a Lamp Module set to Unit Code 1 and then program Module number 1 for an On time of 7:00 AM - At 7:00 AM your bedside lamp will turn on and the internal buzzer in the Mini Timer will sound. You can turn the buzzer off (when you wake up) by sliding the Buzzer switch to the OFF position. You can turn off your bedside lamp by pressing the OFF button for Module 1.

You can leave the Buzzer switch in the OFF position if you don’t want to use the wake up feature. This will not affect any programs you have entered for Module 1.

Alternatively, if the Buzzer switch is OFF and you place the Mode switch in the Clock Set position, you will “suspend” both the buzzer AND any times you have set for Module 1. This is useful to suspend the wake-up function on weekends. See next page.

The backlight and the buzzer do not operate when the unit is running on the backup batteries.

To Cancel/Snooze the wake-up alarm

When the alarm sounds at the time you have set, you can cancel it in one of two ways:

1. **Slide the Buzzer switch to the OFF position.** This will cancel the alarm permanently. Slide the switch back to “ON” if you want the alarm to wake you up the next morning.
2. **Press any key.** This will give the “snooze” feature. Pressing any key while the buzzer is sounding will turn the buzzer off and will automatically turn it back on in 10 minutes time. You can do this indefinitely.

The buzzer will automatically turn off, and stay off, after 10 minutes if you ignore it.

Any Module(s) you have installed and set to Unit Code 1 will turn On when the buzzer sounds and will stay On after you turn the Buzzer switch to OFF or cancel buzzer using the snooze feature. You will need to press the OFF button for number 1 to turn the Module(s) off. Alternatively, you could program it/them to turn off later.

Alarm settings

Suspending the wake up function

If you set channel 1 for an On time of 7:00 AM and number 1 is your bedside lamp, at 7:00 AM **every day**, your bedside lamp will turn on and the internal buzzer will sound. If you turn the Buzzer switch off on Friday nights the buzzer will not wake you up the next morning but your bedside lamp will still turn on.

To suspend the program for channel 1 turn the Buzzer switch to OFF, AND place the Mode switch in the “Clock Set” position. The On program for BOTH the Alarm buzzer AND the bedside lamp will then be suspended.

You can control Modules instantly with the Mode switch in the “Clock Set” position, just as you can when it's in the RUN position, but remember to place the Mode switch back to RUN and put the Buzzer switch back to the ON position on Sunday night to resume the wake-up program for weekdays.

Note: Pressing the ON button for Module number 1 with the Mode switch in the RUN position or Clock Set position does **not** activate the internal buzzer. This buzzer only sounds at the times you set.

Changing the Housecode

When you first plug in the Mini Timer it controls X10 PRO Modules set to Housecode A.. If you want to change the Housecode:

1. Set the Mode switch to “Housecode Set.”

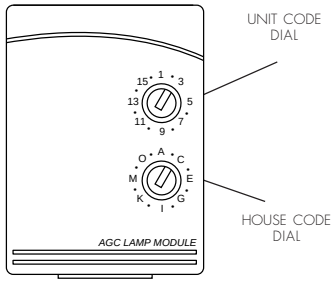
2. Press the up or down "Time" rocker to select the desired Housecode (as shown in the display).

3. Set the Mode switch back to RUN.

Setting up the Lamp Module

Setting The Lamp Module's Code (modules sold separately)

Using a small screwdriver, set the red House Code dial to the same letter as your Mini Timer. Set the Black Unit Code dial to any unused number.



Ratings

The Lamp Module can be used to control an incandescent lamp rated up to 300W. It is NOT suitable for other types of lamps such as fluorescent or energy saving lamps, low voltage lamps, or lamps that include a dimmer control. **Caution:** Do not connect an appliance such as a coffee pot or heater to a Lamp Module. It may damage the Module and/or the appliance and could cause a fire hazard. Use an Appliance Module instead.

1 Set the House Code and Unit Code.

2 Plug a lamp into the Module.

3 Plug the Module into the same wall outlet as your controller (see testing below).

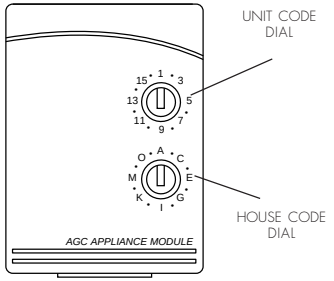
Testing The Lamp Module

Make sure the lamp's switch is on. Plug the Module into the same wall outlet as your Mini Timer, press the ON and OFF buttons on the Mini Timer that correspond to the Unit Code setting on the Module. If the Module turns On and Off you can unplug the Module or Mini Timer and move it to its permanent location. If you can't control the module, contact www.x10pro.com/support for help.

Setting up the Appliance Module

Setting The Appliance Module's Code (modules sold separately)

Using a small screwdriver, set the red House Code dial to the same letter as your Mini Timer. Set the Black Unit Code dial to any unused number.



Ratings

The Appliance Module can be used to control an incandescent lamp rated up to 500W.

It can also control other types of lamps such as fluorescent or energy saving lamps, low voltage lamps, or lamps that include a dimmer control. And of course it can be used to control appliances. **Caution: Observe the ratings on the label on the back of the Appliance Module.**

1 Set the House Code and Unit Code.

2 Plug an appliance into the Module.

3 Plug the Module into the same wall outlet as your controller (see testing below).

Testing The Appliance Module

Make sure the appliance's switch is on. Plug the Module into the same wall outlet as your Mini Timer, press the ON and OFF buttons on the Mini Timer that correspond to the Unit Code setting on the Module. If the Module turns On and Off you can unplug the Module or Mini Timer and move it to its permanent location. If you can't control the module, contact www.x10pro.com/support for help.

Troubleshooting

1. If a particular Module won't go on or off from the buttons on the Mini Timer:

Check that you have power to the outlet controlling the Module and the switch on the light or appliance is ON.

Check that the Unit Code and Housecode on the Module are set correctly.

Try plugging the Module and the Mini Timer into the same outlet. If the Module doesn't work in ANY outlet, not even with the Module and the Mini Timer in the same duplex receptacle (top and bottom) the Module may be defective. Contact www.x10pro.com/support if you need help.

2. If you can't control ANY Modules from the Mini Timer.

Check that there is a time displayed on the Mini Timer and that you have power to the outlet it is plugged into.

Check that the Housecode for the Mini Timer is set correctly (see page 13). Try plugging the Module and the Mini Timer into the same outlet. If NONE of your Modules work in ANY outlet, not even with the Module and the Mini Timer in the same duplex receptacle (top and bottom) the Mini Timer may be defective. Contact www.x10pro.com/support if you need help.

Intercom systems

Intercom systems which send voice signals over existing electrical wiring may interfere with the operation of the Mini Timer when the intercom is in use. If the Intercom system has its own separate wiring it will not cause a problem.

Power interruptions

When the power is restored after an outage, Lamp Modules and Wall Switch Modules will normally be OFF. Appliance Modules have a "latching relay mechanism" and will stay as they were before the interruption.

This means that when you first plug in an Appliance Module which you have just purchased, it may in an ON or OFF state (the state it was in before unplugging it after factory testing).

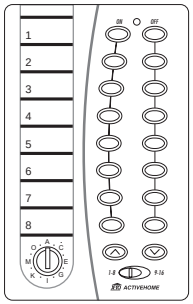
Battery backup

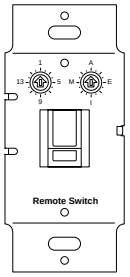
If you install two AA alkaline batteries in the battery compartment of the Mini Timer your programmed times will be protected for up to 48 hours in the event of a power outage. The backlight and the buzzer do not operate when the unit is running on the backup batteries.

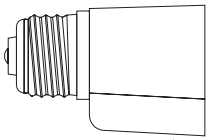
Battery indicator

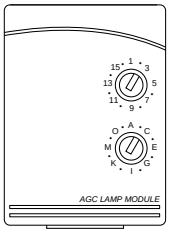
If the batteries are low, dead, or not installed, the low battery indicator will be shown in the display. It is recommended that you check the condition of the batteries regularly and replace them at least once every 6 months.

Accessories









Modules

A wide range of switch and control modules are available from X10 PRO, all of which can be controlled from the Mini Timer. Modules available include replacement wall switches, X10 controlled AC outlets, screw-in lamp modules, plug-in lamp and appliance modules and many others.

Remotes

You can add any number of Home Automation wireless remotes such as the handheld PalmPad™ remote which controls up to 16 modules around the home (requires a Transceiver).

Controllers

A range of plug-in controllers are available including the Touch-Tone Controller which lets you use any touch tone telephone to call home and control X10 PRO modules, and products which allow any Windows™ based PC to control X10 PRO Modules.

Security System

The Modules that come with your Mini Timer system also work with X10 PRO's Wireless Security Systems.

WARRANTY

X10 PRO (X10) warrants X10 products to be free from defective material and workmanship for a period of two (2) years from the original date of purchase at retail. X10 agrees to repair or replace, at its sole discretion, a defective X10 product if returned to X10 within the warranty period and with proof of purchase. If service is required under this warranty:

Call 800-411-2888, or visit www.x10pro.com.

NOTES

X10 PRO, North Las Vegas, NV 89032
www.x10pro.com Made in China
XPMT1-7/06